

ABSTRACT OF THE DISCLOSURE

There is provided means for detecting the presence and predominance of a polyhydroxyalkanoate synthesizing microorganism in a rapid, convenient, specific, and sensitive way. There is provided a method of detecting a PHA synthesizing microorganism having the intended PHA synthetase gene by using the nucleic acid fragment comprising at least partial sequence thereof, based on a base sequence shown in SEQ ID NO: 1 to 9 or complementary base sequence thereof, as a probe or primer for detecting a PHA synthetase gene.